



MATERIAL SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY NAME : Star Adhesive & Resin Ind. Factory,
PO Box-26551 Sharjah. UAE
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PRODUCT BRAND : STARFIX
PRODUCT NAME : 81-10
PRODUCT DESCRIPTION: Synthetic based one component Adhesive

COMPOSITION/INFORMATION ON INGREDIENTS

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard.

Chemical Name

Hexane,
Toluene
Heptane
Synthetic Rubber
Benzene
Acetone
Zinc Oxide

HAZARDS IDENTIFICATION

PHYSICAL APPEARANCE : Clear to amber, sticky resin.

POTENTIAL HEALTH EFFECTS:

Extremely flammable.
Can cause eye irritation.
Can cause skin irritation.
Moderate respiratory tract irritant.
Harmful if swallowed.
Inhalation of vapors may cause loss of feeling and weakness in the hands and feet and loss of manual dexterity. Inhalation of high concentrations may result in central nervous system effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination.

FIRST AID MEASURES

IF IN EYES: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

IF ON SKIN: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.



IF VAPORS INHALED: Move to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.

IF SWALLOWED: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

FIRE FIGHTING MEASURES

FLASH POINT: -22C; -8F

AUTOIGNITION TEMPERATURE : No Data Available.

Flammable limits - LEL (% in air): Not Applicable

Flammable limits - UEL (% in air): Not Applicable

EXTINGUISHING MEDIA: Use water spray, foam, dry chemical or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and can travel to a source of ignition and flash back.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Persons exposed to products of combustion should wear self contained breathing apparatus and full protective equipment.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, Carbon monoxide Chlorine containing gases.

EXPLOSION HAZARDS : Vapors may form explosive mixture with air.

HANDLING AND STORAGE

Handling: Mildly irritating material. Avoid unnecessary exposure.

Keep away from heat, sparks and flame. Wash thoroughly after handling. Keep container closed.

Emptied container retains vapor and product residue. Observe precautions until container is cleaned.

Drums of this material should be grounded when pouring.

DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.

This product contains an ingredient that may release formaldehyde at heated cure temperatures.

Storage: Store in a cool, dry, ventilated location. Keep away from heat, sparks, flame and other Sources of ignition. Keep container closed.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Amber

ODOR: Solvent

ODOR THRESHOLD: Not established



SPECIFIC GRAVITY: 0.83
SOLIDS (% by weight): 20.3
pH: Not Applicable
BOILING POINT (deg. C): Not established
FREEZING/MELTING POINT (deg. C): 0°C
VAPOR PRESSURE (mm Hg): Not established
VAPOR DENSITY: Not established
EVAPORATION RATE: Not established

STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide Chlorine
Containing gases may form when heated to decomposition.

TOXICOLOGICAL INFORMATION

CHEMICAL NAME LD50/LC50
Hexane, n Oral LD50 Rat =28710 mg/kg
Inhalation LC50 Rat =48000 ppm/4H
Methylcyclopentane Not established
Toluene Oral LD50 Rat = 636 mg/kg
Inhalation LC50 Rat =49000 mg/cu m/4H
Dermal LD50 Rabbit = 14.1 ml/kg
Heptane
Inhalation LC50 Rat =103000 mg/cu m/4H
Dermal LD50 Rabbit > 10 ml/kg
Cyclohexane Oral LD50 Rat =12705 mg/kg

DISPOSAL CONSIDERATIONS

This product meets the definition of hazardous waste. It is ignitable waste class D001.
Disposal via incineration is recommended. Dispose of in a manner consistent with federal
and local regulations.
LAND DISPOSAL RESTRICTIONS: Toluene



TRANSPORT INFORMATION

PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D.
TECHNICAL NAME : Solvent Based Adhesive.
PRIMARY HAZARD CLASS : Not available.

Dangerous Goods Class: 3

UN No.: 1133

Proper Shipping Name: ADHESIVES, containing flammable liquid

Packing Group: III

Hazchem Code: 3[Y]

EPG No.: 3C1

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